



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_37547
Title of the Manuscript:	Evaluation of Momordica Balsamina Seed Oil for its Potential as Feedstock for Biodiesel Production
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>INTRODUCTION</p> <ol style="list-style-type: none"> 1. There is need to briefly to describe the plant, balsam apple (<i>M. balsamina</i>) with respect to its origin, uses, rainfall requirement, botanical details, seed yield per plant, lifespan, etc. 2. Was there any previous work done on the utilization of this seed oil in biodiesel production or were you the first to carry out this study? Please provide related work done if your response to the former question is yes. 3. Aside non-edible characteristic of the seed oil, what other advantage(s) does the seed have in biodiesel production. 4. Please enrich your introduction by citing recent related work from literature. <p>MATERIALS AND METHODS</p> <ol style="list-style-type: none"> 5. Line 44: State the quantity of seed sample collected 6. Line 45: Add "Nigeria" after "Kaduna Metropolis" 7. Line 48: State the average drying air temperature 8. Line 48: Mention the type of pulverizer used and operating conditions and the storage temperature 9. Line 126 & 127: 1 and 2 should be written as subscripts 10. Line 173 & 174: 2 in the unit should be written as superscript 11. Line 224: In Table 2, the parameters (fatty acid, etc) should be written in lower case as in Table 1. 12. The operating conditions used in the GC-MS analysi should be stated in the methodology section 13. Experimental procedure and conditions for the transesterification of the oil such as oil to solvent ratio, reaction temperature, reaction pressure, stirrer speed, catalyst used (if any), ratio of catalyst to oil and solvent used, etc were not mentioned. 	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	Kabiru Mu'azu
Department, University & Country	Pilot Plants and Fabrication Department, National Research Institute for Chemical Technology, Nigeria